

GenCore version 5.1.9  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 13, 2006, 14:19:02 ; Search time 2483.98 Seconds  
(without alignments)  
17703.061 Million cell updates/sec

Title: US-10-502-332-1  
Perfect score: 6307  
Sequence: 1 tatccatagtcccagactta.....gaacctgtgggtgatcatcc 6307

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 5244920 seqs, 3486124231 residues

Total number of hits satisfying chosen parameters: 10489840

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : N\_Geneseq\_8:\*  
1: geneseqn1980s:\*  
2: geneseqn1990s:\*  
3: geneseqn2000s:\*  
4: geneseqn2001as:\*  
5: geneseqn2001bs:\*  
6: geneseqn2002as:\*  
7: geneseqn2002bs:\*  
8: geneseqn2003as:\*  
9: geneseqn2003bs:\*  
10: geneseqn2003cs:\*  
11: geneseqn2003ds:\*  
12: geneseqn2004as:\*  
13: geneseqn2004bs:\*  
14: geneseqn2005s:\*  
15: geneseqn2006s:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result<br>No. | Score | %<br>Query |        | DB | ID       | Description        |
|---------------|-------|------------|--------|----|----------|--------------------|
|               |       | Match      | Length |    |          |                    |
| 1             | 6307  | 100.0      | 6307   | 9  | ADA19460 | Adal9460 Mouse LAT |
| 2             | 387   | 6.1        | 1260   | 2  | AAX89074 | Aax89074 Murine LA |
| c 3           | 180.6 | 2.9        | 77834  | 11 | ACN44076 | Acn44076 Mouse gen |

|   |    |       |     |        |    |            |          |           |       |
|---|----|-------|-----|--------|----|------------|----------|-----------|-------|
|   | 4  | 167.8 | 2.7 | 113633 | 11 | ACN43860   | Acn43860 | Mouse     | gen   |
|   | 5  | 157.6 | 2.5 | 26750  | 11 | ACN44944   | Acn44944 | Mouse     | gen   |
|   | 6  | 155   | 2.5 | 289106 | 14 | ADZ12614   | Adz12614 | Murine    | ca    |
| c | 7  | 152   | 2.4 | 37992  | 13 | ABD33572   | Abd33572 | Murine    | ca    |
|   | 8  | 149   | 2.4 | 43256  | 12 | ADQ97736   | Adq97736 | Mouse     | can   |
| c | 9  | 148.6 | 2.4 | 6521   | 13 | ADR10499   | Adr10499 | DNA       | encod |
|   | 10 | 148.4 | 2.4 | 110000 | 11 | ACN43984_0 | Acn43984 | Mouse     | gen   |
| c | 11 | 147.2 | 2.3 | 89856  | 13 | ABD33119   | Abd33119 | Murine    | ca    |
| c | 12 | 146.8 | 2.3 | 98638  | 12 | ADQ97919   | Adq97919 | Mouse     | can   |
|   | 13 | 146.6 | 2.3 | 4153   | 12 | ADM91327   | Adm91327 | DNA       | homol |
|   | 14 | 146.6 | 2.3 | 4153   | 14 | ADW13989   | Adw13989 | Mouse     | cDN   |
|   | 15 | 146.6 | 2.3 | 46030  | 13 | ABD32538   | Abd32538 | Mouse     | can   |
| c | 16 | 146.4 | 2.3 | 80275  | 12 | ADQ97310   | Adq97310 | Mouse     | can   |
|   | 17 | 146.2 | 2.3 | 261066 | 14 | AEE04993   | Aee04993 | Cancer-as |       |
|   | 18 | 145.8 | 2.3 | 111206 | 11 | ACN45152   | Acn45152 | Mouse     | gen   |
| c | 19 | 145.2 | 2.3 | 25229  | 12 | ADQ97226   | Adq97226 | Mouse     | can   |
| c | 20 | 144.8 | 2.3 | 23640  | 11 | ACN44680   | Acn44680 | Mouse     | gen   |
| c | 21 | 144.8 | 2.3 | 24261  | 14 | ADZ13916   | Adz13916 | Murine    | ca    |
|   | 22 | 144.4 | 2.3 | 199377 | 10 | ADC35071   | Adc35071 | Mouse     | gen   |
| c | 23 | 144.2 | 2.3 | 31156  | 14 | AEE04823   | Aee04823 | Cancer-as |       |
| c | 24 | 143.8 | 2.3 | 93329  | 13 | ABD33597   | Abd33597 | Murine    | ca    |
| c | 25 | 143.6 | 2.3 | 59767  | 13 | ABD32905   | Abd32905 | Mouse     | can   |
| c | 26 | 143.6 | 2.3 | 263852 | 13 | ADS99460   | Ads99460 | Murine    | ki    |
| c | 27 | 143.4 | 2.3 | 49826  | 11 | ACN44340   | Acn44340 | Mouse     | gen   |
| c | 28 | 143.2 | 2.3 | 33500  | 11 | ACN44036   | Acn44036 | Mouse     | gen   |
|   | 29 | 143.2 | 2.3 | 37723  | 11 | ACN44856   | Acn44856 | Mouse     | gen   |
| c | 30 | 143.2 | 2.3 | 47286  | 12 | ADQ97674   | Adq97674 | Mouse     | can   |
| c | 31 | 143   | 2.3 | 20762  | 11 | ACN44092   | Acn44092 | Mouse     | gen   |
| c | 32 | 143   | 2.3 | 41522  | 11 | ACN45008   | Acn45008 | Mouse     | gen   |
|   | 33 | 143   | 2.3 | 197775 | 11 | ACN44416   | Acn44416 | Mouse     | gen   |
| c | 34 | 142.8 | 2.3 | 63411  | 12 | ADQ97081   | Adq97081 | Mouse     | can   |
| c | 35 | 142.6 | 2.3 | 40633  | 11 | ACN43848   | Acn43848 | Mouse     | gen   |
| c | 36 | 142.6 | 2.3 | 71801  | 14 | AEE05075   | Aee05075 | Cancer-as |       |
|   | 37 | 142.4 | 2.3 | 96593  | 9  | ADA02885   | Ada02885 | Mouse     | Blm   |
|   | 38 | 142.4 | 2.3 | 96593  | 10 | ADB72623   | Adb72623 | Mouse     | Blm   |
|   | 39 | 142.4 | 2.3 | 96593  | 12 | ADM74480   | Adm74480 | Murine    | ca    |
|   | 40 | 142.4 | 2.3 | 96594  | 10 | ADC85364   | Adc85364 | Human     | Pap   |
|   | 41 | 142.4 | 2.3 | 189158 | 11 | ACN44124   | Acn44124 | Mouse     | gen   |
| c | 42 | 142.2 | 2.3 | 22540  | 14 | AEE04939   | Aee04939 | Cancer-as |       |
| c | 43 | 142   | 2.3 | 73038  | 12 | ADQ59401   | Adq59401 | Human     | can   |
| c | 44 | 142   | 2.3 | 73038  | 14 | ADZ13670   | Adz13670 | Murine    | ca    |
|   | 45 | 142   | 2.3 | 75782  | 12 | ADQ97795   | Adq97795 | Mouse     | can   |